

Interdepartmental Memo
Department of Environmental Protection
Bureau of Water Management

To: Interested Parties

From: Traci Iott

Date: July 26, 1996
November 18, 2002

Re: CT Remediation Standard Regulation - Corrected Criteria Formulas

The formulas for Direct Exposure Criteria and Groundwater Protection Criteria contained in the Connecticut Remediation Standard Regulations contain several errors. The corrected formulas are provided below. Please note that CF for the GWPC equals 0.001.

Formulas

Residential DEC:

Carcinogens

$$DEC = (Risk / CSF) / (((IRc \times EDc \times EF \times CF)/(BWc \times AT)) + ((IRa \times EDa \times EF \times CF)/(BWa \times AT)))$$

Non-carcinogens

$$DEC = (RfD \times HI) / (((IRc \times EDc \times EF \times CF)/(BWc \times ATc)) + ((IRa \times EDa \times EF \times CF)/(BWa \times ATa)))$$

GWPC:

Carcinogens:

$$GWPC = (Risk/CSF) \times ((BW \times AT) / (IR \times EF \times ED \times CF))$$

Non-carcinogens:

$$GWPC = (RfD \times HI) \times ((BW \times AT \times SA) / (IR \times EF \times ED \times CF))$$